

Beltsville Agricultural Research Center Institutional Animal Care and Use Committee

Incident Report Form

For use in reporting an incident <u>not</u> associated with research conducted on an approved animal use protocol form. Submit completed forms to the Veterinary Services, Animal Care Compliance Office or any member of the IACUC. List of committee members

Principal Investigator or Unit Supervisor: N/A

Laboratory (if applicable): ABBL/APDL

	Description	of the Incident	
Date of Incident:	1/22-1/23/19	Reported by:	(b) (6)
Species of Animal:	Mouse	Number of Animals Involved:	129 (adults and pups)
Location of Event:	(b) (7)(c), (b) (6)		
Outcome:	Trcatcd/Recovered] Treated/Euthanized 🛛 Fatal	□ N/A

1. Provide a detailed description (include dates) of the incident and the cause, if known:

The morning of Wednesday January 23, 2019 (budget shutdown still in place), animal rooms in (b) (7)(C). (b) (6) a small animal building were found to be severely overheated; this appeared to result from an overnight malfunction of the Heating, Ventilation and Air Conditioning (HVAC) system. One room had multiple mice dead due to heat stress and several litters needed to be euthanized due to death of the dam. An additional mouse died the next day, January 24th, after failing to respond to treatment. Other animal rooms also overheated during the incident, but no casualties were incurred in those rooms. In retrospect, it is possible that a mouse found dead on Monday the 21st may have also died from a room overheating (inconclusive).

In brief, the incident occurred after the 200-area boiler (heating system) malfunctioned on Saturday January 19, 2019, which caused an HVAC part (a "freeze stat") to become defective and subsequently caused room overheating on Monday January 21, 2019. Room temperatures were returned to normal on the 21st by redirecting airflow from the cooler hallways into the rooms. After the defective part was replaced on the afternoon of Tuesday, January 22, 2019, the HVAC system software program malfunctioned causing the animal rooms to severely overheat overnight and into the morning of Wednesday January 23rd. The incident was fully resolved by Wednesday afternoon once the software malfunction was corrected and the building temperatures returned to normal.

2. Describe a plan of action for treatment and steps taken to prevent recurrence in the future:

As described above, the incident was fully resolved on (5)(5) - De

(b)(5) - Deliberative

Brief summary of incident communications: The Institutional Official (IO) was notified about the overheated room and mouse death on Monday January 22, 2019 by the Attending Veterinarian (AV). The IO was provided updates on the HVAC and building status through Wednesday. The IO was notified of the overheating incident on Wednesday January 23, 2019, morning, and updated throughout the day. The AV was in contact with the Facility Services (FS) staff regarding the HVAC issues on Monday and throughout the incident until the resolution on Wednesday.

3. Any additional information, extenuating circumstances, or other details that may be helpful in reviewing this matter:



Beltsville Agricultural Research Center Institutional Animal Care and Use Committee

N/A	÷		
(b) (6) Signature		1/24/19 Date	
This space reserved for use by Reviewed by ACUC: X Dat		Additional findings and/or recommendations: (b)(5) - Delib	erative

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Principal Investigator or Un	it Supervisor: (b)	(6) Laborat	ory (if applicabl	le): (b) (7)(C),
	Descrip	tion of the Incident		
Date of Incident:	September 25, 2019	Reported by:		(b) (7)(C)
Species of Animal:	Pig	Number of Anim	als Involved:	21
ocation of Event:	(D) (D)			
Jutcome:	□ Treated/Recovered	□ Treated/Euthanized	□ Fatal X 1	N/A
 Any addition inform 	aral infection" (an operation hose that had been inocular wanted to confirm this ob- ine if this observation was specific experimental desirection for treatment and stere b)(65)	ated with Ascaris suum beco servation by placing naïve s reproducible. All the proc	ome infected ad pigs in cedures used in at protocol. nce in the future	oon after a prior oral that study were defined : tive constant
matter: Refer to protocols #15-014	b) (6) _{and #16-009} (^{(b) (7)(C}	for use of (b) (6) for pig s	tudies	
(b) (6) Signature This space reserved for use i	by the IACLIC	Date	10/18/2019	
Reviewed by IACUC: 🔀 [Additional findings and/or			(b)(5) - Deliberative
(b)(5) – C	Jelib	era	ative



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(b)(5) - Deliberative

Obtained by Rise for Animals. Page 2 상1200aded to Animal Research Laboratory Overview (ARLO) on 10/08/2020



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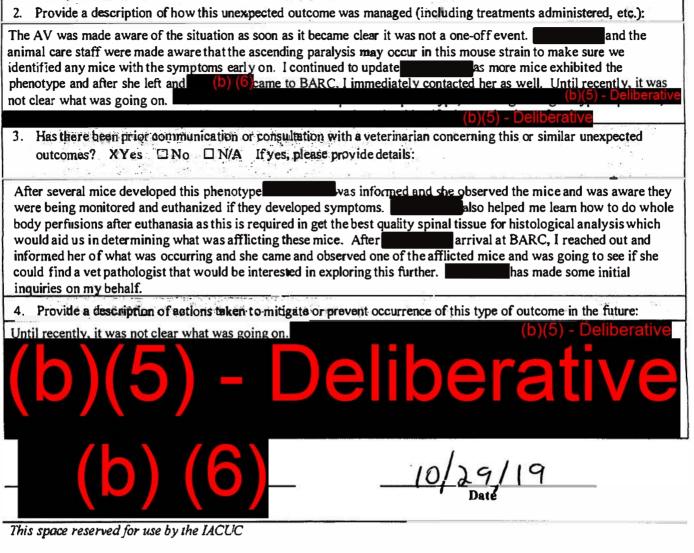
Unexpected Outcome (UO) Report Form

For use in reporting an unexpected outcome associated with animals used in research. <u>Refer for IACUC Policy</u> #019. Submit completed forms to the Veterinary Services, Animal Care Compliance Office or any member of the L4CUC. List of committee members

Principal Investigator:	1ACUC Prote	ocol # 18-008 Laboratory:	b) (6)
IACUC Protocol Title: Anima	al Breeding Program		
	Description of the U	nexpected Outcome	
Date of Event:	Started in February 2019 to present	Date Identified:	February 11, 2019
Species of Animal:	Mus musculus	Number of Animals Involved:	15
Location of Event:	(b) (6)		
Outcome:	□ Treated/Recovered ⊠ Tr	eated/Euthanized 🗆 Fatal 🗆 N/A	
Was a veterinarian consulted If yes, list veterinarian name		Xes □ No Name and Date: (b) (6) app 2019	roximately May,
Is this event related to the res	search?	Related Possibly Related	Not Related
Is the possibility of this outco	ome noted in the current approv	ed protocol? If no, submit an amendment.	🗆 Yes 🛛 No
	arately/adequately describe the c warendment cannot be initiated	outcome? If no, submit an amendment. d until approved by the LACUC.	🗆 Yes 🗆 No

1. Provide a detailed description (include dates) of the unexpected outcome, and the cause, if known: In February of 2019 two female breeder TRSP/CD4-cre knockout mice were found with hind limb paralysis and euthanized, (b)(6) and I noted that this was odd but it wasn't until May of 2019, when three additional female breeder TRSP/CD4-cre knockout mice developed this phenotype and were euthanized, (b)(5) - Deliberative (b)(5) - Deliberative. It was noted that all the mice developing this were female breeder TRSP/CD4-cre knockout mice approximately 4 months old and the AV (b) (6) was contacted about this. (b)(5) - Deliberative (b)(5) - Deliberative (c)(5) - Deliberative (c)(6) - Deliberative (c)(6) - Deliberative (c)(6) - Deliberative knockout mice approximately 4 months old and the AV (c) (c) (c) - Deliberative (c)(5) - Deliberative (c) (c) (c) was contacted about this. (c)(5) - Deliberative (c)(6) - Deliberative (c)(5) - Deliberative (c)(6) - Deliberative (c)(6)

> Obtained by Rise for Animals. Uploaded to Animal Research Laboratory Overview (ARLO) on 10/08/2020



Reviewed by IACUC: X Date: 11/7/2019

IACUC Remarks:







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Principal Investigator or U	Init Supervisor: (b) (6)		Laboratory (if applicat	bie): ABBL
	Descripti	on of t	he Incident	
Date of Incident:	03/19/2019		Reported by:	(b) (6)
Species of Animal:	Chickens		Number of Animals Involved:	19
Location of Event:	Building (b)(6)			
Outcome:	Treated/Recovered	🛛 Tr	eated/Euthanized 🗌 Fatal	□ N/A
Description: On March 19	th , 2019, our acting	(b) (6	ident and the cause, if known: informed me over the phone that overdue one day (02/12/2019 to 0	at (b) (6) had 3/18/2019), and only
one cage involved with 4 d	chickens seemed to be crowde e same day. On May 21,2019 a	d. Imm	ediate action needed to be taken. om, I met and discussed the issues	We sacrificed these
Cause:	5) - D	e	libera	(b)(5) - Deliberative
2. Describe a plan of	action for treatment and steps	s taken	to prevent recurrence in the futur	e:
Action: After getting (b)	(6)s call in the afternoon on	03/19/	2019, our group immediately acte (5) - Deliberative	ed. <mark>(b)(5) - Deliberative</mark>
Future preventive measu	rement:	e		b)(5) - Deliberative
3. Any addition informatter:	mation, extenuating circumsta	ances, o	or other details that may be helpfi	ul in reviewing this



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If possible, I would like to volunteer to be a committee member in BARC IACUC. Thus, I could learn from the activities in IACUC and review the protocols as needed. After all, we have more new visiting scholars coming each year in our CRIS unit. Getting the professional guidance from authoritative members in IACUC is important for us to educate the researchers and reduce the misleading information and misunderstanding, therefore helping reducing the incidence.

Signature	05/31/2019 Date
This space reserved for use b	by the IACUC
Reviewed by IACUC: 🛛 D	Date: 6/6/2019
Additional findings and/or re	ecommendations: (b)(5) - Deliberative
(b)(5	i) - Deliberative



Beltsville Agricultural Research Center Institutional Animal Care and Use Committee

Unexpected Outcome Report

Date of Event: 04/10/2019

Protocol # (If applicable): 17-022

Protocol Title:

Species of Animal: Mice

Reported by:

Location of Event:

Principal Investigator:

Number Animals Involved: 7

Is this event related to the approved research: Related 🗌 Not Related 🗌 Unsure 🗌

Describe the Incident, providing any information available at this time regarding the cause of the Incident and its outcome:

Shipment arrived on April 2, 2019, and mice were individually housed on raised wire flooring, as described in approved protocol. On April 10, 2019, the lab found two mice dead and an additional 7 mice with health issues, and promptly notified the facility veterinarian of the problem. Upon evaluation, animals had poor body condition and low weights compared to aged matched counterparts.



Describe any Plan of Action for treatment and to prevent recurrence. A finalized Plan of Action may be submitted later if needed:



IACUC discussed incident at the May 2, 2019 convened meeting.

This space reserved for use by the LACUC Reviewed by: IACUC \supseteq Date: 5/2/2019 Additional findings and/or recommendations: No additional findings or recommendations were made by the IACUC. (b)(5) - Deliberative



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i internation of	Unit Supervisor: (0) (0)	Laboratory (if applicab	te): (b)(6)
a and the second second	Descripti	on of the Incident	
Date of Incident:	10/15/2019	Reported by:	(b) (6)
Species of Animal:	Pig	Number of Animals Involved:	12
Location of Event:	(b)(6)		
Outcome:	Treated/Recovered	Treated/Euthanized 🗆 Fatal 🗆	K N/A
I, Provide a detailed	description (include dates) of the	he incident and the cause, if known:	
	•	be born, instead of euthanizing the pregna	ant sow on day 110 as
was indicated in the prop			(b)(5) - Deliberativ
		(b)(3) - Dei	iperative
2. Describe a plan of	action for treatment and steps t	taken to prevent recurrence in the future:	
		P	
		(h)(5) = De	liberativ
		(b)(5) - De	liberativ
3. Any addition infor	mation, extenuating circumstar	(b)(5) - De	
3. Any addition infor matter:		nces, or other details that may be helpful	in reviewing this
			in reviewing this
		nces, or other details that may be helpful 5) – Delibe	in reviewing this
matter: (b) (6)		nces, or other details that may be helpful	in reviewing this
	(b)(nces, or other details that may be helpful 5) – Delibe _10/15/2019	in reviewing this

